Abstract of the Disclosure

The presence or absence of methylation of C's in CpG dinucleotide in a sample DNA that contains a target sequence including the CpG dinucleotide is detected as follows. Multiple kinds of capture oligonucleotides immobilized on a base material and including: an oligonucleotide having a nucleotide sequence complimentary to or identical to a nucleotide sequence corresponding to the target sequence in which all of C's other than C's in the all of CpG dinucleotide are replaced with T's; and an oligonucleotide having a nucleotide sequence complimentary to or identical to a nucleotide sequence corresponding to the target sequence in which all of C's are replaced with T's are hybridized with the sample DNA in which non-methylated C's have been converted into U's by deamination or an amplification product thereof, and the presence or absence of methylation is detected based on the result of the hybridization.